

In the Specification

Please amend the paragraph beginning on line 34 of page 5, as follows:

Fig. 1 illustrates the spectral transmittance of a PMMA sheet prior to and after APS (advanced plasma systems) plasma treatment, using the plasma ion source of the APS 904 (Leybold Optics) vacuum-deposition system. The process parameters set included 30 sccm of oxygen, the BIAS potential applied being 120 V and the treatment time being 300 s. The specimen, reflectance-reduced on both sides, achieves a transmittance of at least 97% over a wavelength range from 400 nm to 1100 nm, at least 98% from 420 nm to 860 nm, and at least 99% from 490 nm to 700 nm. The reproducibility of the reflectance reduction is very good when comparison is made with vapor-deposited antireflection layer systems.

Please amend the paragraph beginning on line 19 of page 6, as follows:

Fig. 3 illustrates the transmittance spectrum of a CR39 sheet prior to and after ~~APF~~ APS plasma treatment using the APS 904 (Leybold Optics) plasma ion source. The average increase in transmittance of a specimen reflectance reduced on one side is about 2.8% in the wavelength range from 450 nm - 800 nm, when comparison is made with the untreated sheet.